
Validation of Two Names, *Berchemia omeiensis* and *Rhamnus kwangsiensis* (Rhamnaceae)

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ABSTRACT. Two species from China, *Berchemia omeiensis* W. P. Fang ex Y. L. Chen & P. K. Chou and *Rhamnus kwangsiensis* Y. L. Chen & P. K. Chou (Rhamnaceae), were published invalidly in 1979 because in each instance two types were simultaneously indicated. Both plant names are validly published here.

Key words: *Berchemia*, China, Rhamnaceae, *Rhamnus*.

Two species of Rhamnaceae from China, *Berchemia omeiensis* W. P. Fang ex Y. L. Chen & P. K. Chou (Chen & Chou, 1979a) and *Rhamnus kwangsiensis* Y. L. Chen & P. K. Chou (Chen & Chou, 1979b) (Rhamnaceae), were not validly published because in each instance two types were simultaneously indicated. According to Articles 37.1 and 37.2 of the *International Code of Botanical Nomenclature* (McNeill et al., 2006), the two names were invalid. Without commenting on the validity of publication, Chen and Schirarend (2007: 129, 149) later utilized both plant names in volume 12 of the *Flora of China*. The current paper validates the two names by reference to the Latin diagnoses in the original publications (Chen & Chou, 1979a, 1979b) and by indicating for each name one of the two specimens cited by Chen and Chou as the holotype. The correct author attribution for the plant names is Y. L. Chen & P. K. Chou because the name and the validating diagnosis for both species are clearly ascribed to them (cf. Art. 46.2, McNeill et al., 2006).

Berchemia omeiensis W. P. Fang ex Y. L. Chen & P. K. Chou, sp. nov. *Berchemia omeiensis* W. P. Fang ex Y. L. Chen & P. K. Chou, Bull. Bot. Lab. N. E. Forest. Inst., Harbin 5: 16. 1979, nom. inval. TYPE: China. Sichuan: Mt. Emei, 25 May 1957, G. H. Yang 54723 (holotype, PE 00023541).

Discussion. G. H. Yang 54723 (PE) is chosen as the holotype because it is better preserved, agrees with the protologue, and was annotated as "TYPUS"

by Y. L. Chen and P. K. Chou on the specimen. The validating Latin diagnosis appeared in Chen and Chou (1979a).

Paratypes. CHINA. **Chongqing:** Chengkou, T. L. Dai 100149 (PE [2]), 100280 (PE [2]), 100666 (PE); Fengjie, C. Y. Chang 25036 (PE), 25459 (PE), 25999 (PE); Nanchuan, G. F. Li 60889 (PE), J. H. Xiong & Z. L. Zhou 92428 (PE). **Guizhou:** Tongzi, Y. Tsiang 5141 (PE [2]). **Hubei:** Jianshi, W. B. Lin 92 (PE); Xuanen, H. J. Li 2760 (PE), 3271 (PE). **Sichuan:** Mt. Emei, Y. L. Chen 33 (PE [2]), H. L. Tsiang & S. S. Chang 30619 (PE), 31674 (PE), G. H. Yang 54563 (PE), 55157 (PE), 56003 (PE), 57253 (PE).

Rhamnus kwangsiensis Y. L. Chen & P. K. Chou, sp. nov. *Rhamnus kwangsiensis* Y. L. Chen & P. K. Chou, Bull. Bot. Lab. N. E. Forest. Inst., Harbin 5: 77. 1979, nom. inval. TYPE: China. Guangxi: Guilin, Yanshan, s.d., X. F. Deng 11111 (holotype, IBK).

Discussion. X. F. Deng 11111 (IBK) is chosen as the holotype because it is better preserved, agrees with the protologue, and was annotated as "TYPUS" by Y. L. Chen and P. K. Chou on the specimen. The validating Latin diagnosis appeared in Chen and Chou (1979b).

Paratypes. CHINA. **Guangxi:** Guilin, Yanshan, X. F. Deng 10948 (IBK), Exped. Guangxi 4100 (PE [2]), C. H. Tsoong 808475 (IBK, PE); Lingui, Exped. Sino-German 341 (IBK); Yongfu, S. Y. Li 6021 (IBK); Liangfeng, Z. N. Deng 13578 (IBK); Dabu, Z. N. Deng 13642 (IBK); Yangshuo, Z. Z. Chen 53210 (IBK).

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Literature Cited

- Chen, Y. L. & P. K. Chou. 1979a. Notulae de genere *Berchemia* Neck. generibusque affinis florae Sinicae. Bull. Bot. Lab. N. E. Forest. Inst., Harbin 5: 1–26.
Chen, Y. L. & P. K. Chou. 1979b. Materiae ad floram Rhamnacearum sinicarum. Bull. Bot. Lab. N. E. Forest. Inst., Harbin 5: 73–94.

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- Chen, Y. L. & C. Schirarend. 2007. Rhamnaceae, *Berchemia* Neck. ex DC., *Rhamnus* L. Pp. 124–130, 139–162 in Z. Y. Wu & P. H. Raven (editors), Flora of China, Vol. 12. Science Press, Beijing, and Missouri Botanical Garden Press, St. Louis.
- McNeill, J., F. R. Barrie, H. M. Burdet, V. Demoulin, D. L. Hawksworth, K. Marhold, D. H. Nicolson, J. Prado, P. C. Silva, J. E. Skog, J. H. Wiersema & N. J. Turland (editors). 2006. International Code of Botanical Nomenclature (Vienna Code). Regnum Veg. 146.